

**IFWO** 

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/820,777

DATE: 09/02/2004 TIME: 09:28:38

Input Set : A:\MR2723-365.txt

Output Set: N:\CRF4\09022004\J820777.raw

```
3 <110> APPLICANT: Cheng, Winston T.K.
              Chen, Chuan-Mu
              Lin, Shwu-Wha
      6
              Wang, Chih-Hong
              Lin, Chih-Jen
      8
              Wu, Shinn-Chih
     10 <120> TITLE OF INVENTION: Method for producing biologically active human factor VIII
in the
     11
              milk of transgenic animals driven by mammary-specific expression
     12
              cassettes
     14 <130> FILE REFERENCE: MR2723-365
     16 <140> CURRENT APPLICATION NUMBER: US 10/820,777
     17 <141> CURRENT FILING DATE: 2004-04-09
     19 <160> NUMBER OF SEQ ID NOS: 15
    21 <170> SOFTWARE: PatentIn version 3.2
    23 <210> SEQ ID NO: 1
    24 <211> LENGTH: 63
    25 <212> TYPE: DNA
    26 <213> ORGANISM: Homo sapiens
    28 <400> SEQUENCE: 1
    29 atgatgtcct ttgtctctct gctcctggta ggcatcctat tccatgccac ccaggctgtt
                                                                                60
    31 aac
                                                                                63
    34 <210> SEQ ID NO: 2
    35 <211> LENGTH: 50
    36 <212> TYPE: DNA
    37 <213> ORGANISM: Homo sapiens
    39 <400> SEQUENCE: 2
    40 atgaaacttc tcatccttac ctgtcttgtg gctgttgctg ccaggttaac
                                                                               50
    43 <210> SEQ ID NO: 3
    44 <211> LENGTH: 22
    45 <212> TYPE: DNA
    46 <213> ORGANISM: Homo sapiens
    48 <400> SEQUENCE: 3
    49 ggttaactgc caccagaaga ta
                                                                               22
    52 <210> SEQ ID NO: 4
    53 <211> LENGTH: 20
    54 <212> TYPE: DNA
    55 <213> ORGANISM: Homo sapiens
    57 <400> SEQUENCE: 4
    58 aagcttcttg gttcaatggc
                                                                               20
    61 <210> SEQ ID NO: 5
    62 <211> LENGTH: 25
    63 <212> TYPE: DNA
```

64 <213 > ORGANISM: Homo sapiens

## RAW SEQUENCE LISTING

DATE: 09/02/2004 PATENT APPLICATION: US/10/820,777 TIME: 09:28:38

Input Set : A:\MR2723-365.txt

66 <400> SEQUENCE: 5	
67 aagettgaaa egecateaae gggaa	25
70 <210> SEQ ID NO: 6	•
71 <211> LENGTH: 24	
72 <212> TYPE: DNA	
73 <213> ORGANISM: Homo sapiens	
75 <400> SEQUENCE: 6	
76 ctcgagcctc agtagaggtc ctgt	24
79 <210> SEQ ID NO: 7	
80 <211> LENGTH: 20	
81 <212> TYPE: DNA	
82 <213> ORGANISM: Homo sapiens	
84 <400> SEQUENCE: 7	
85 ctctcttgtc atcctcttcc	20
88 <210> SEQ ID NO: 8	
89 <211> LENGTH: 21 90 <212> TYPE: DNA	
91 <213> ORGANISM: Homo sapiens	
93 <400> SEQUENCE: 8	
94 ggttacgcgt caagattctg a	
97 <210> SEQ ID NO: 9	21
98 <211> LENGTH: 20	
99 <212> TYPE: DNA	
100 <213> ORGANISM: Homo sapiens	
102 <400> SEQUENCE: 9	
103 agactttcgg aacagaggca	20
106 <210> SEQ ID NO: 10	20
107 <211> LENGTH: 22	
108 <212> TYPE: DNA	
109 <213> ORGANISM: Homo sapiens	
111 <400> SEQUENCE: 10	
112 atctttttcc aggtcaacat ca	22
115 <210> SEQ ID NO: 11	
116 <211> LENGTH: 23	
117 <212> TYPE: DNA	
118 <213> ORGANISM: Homo sapiens	
120 <400> SEQUENCE: 11	
121 cattctattc atttcagtgg aca	23
124 <210> SEQ ID NO: 12	
125 <211> LENGTH: 22	
126 <212> TYPE: DNA	
127 <213> ORGANISM: Homo sapiens 129 <400> SEQUENCE: 12	
130 gagatgtaga ggctggagaa ct	
133 <210> SEQ ID NO: 13	22
134 <211> LENGTH: 63	
135 <212> TYPE: DNA	
136 <213> ORGANISM: Homo sapiens	
138 <400> SEQUENCE: 13	

## RAW SEQUENCE LISTING

DATE: 09/02/2004 PATENT APPLICATION: US/10/820,777 TIME: 09:28:38

Input Set : A:\MR2723-365.txt

139	atgatgtcct	ttgtctctct	gctcctggta	ggcatcctat	tccatgccac	ccaggctgtt	60
	aac						63
	<210> SEQ						
	<211> LENG <212> TYPE						
		: DNA NISM: Homo					
	<400> SEQU		sapiens				
150	<210> SEQ	TD NO. 15	ctgtcttgtg	getgttgetg	ccaggttaac		50
	<211> SEQ <211> LENG						
	<211> LENG <212> TYPE						
		NISM: Home	anni an -				
	<400> SEQU		sapiens				
			gggt ggast s	~~~~+~+			
161	gtcactagaa	tagatataga	gggtgcagtg	gaactgtcat	gggactatat	gcaaagtgat	60
163	aacactcac	tgeetgegga	cgcaagattt	ceteetagag	tgccaaaatc	ttttccattc	120
165	atcacteeag	daaggggaag	aaagactctg	ataataaata	reaeggatea	ccttttcaac	180
167	tatgataga	taatgecace	ctggatgggt	ctgctaggtc	ctaccatcca	ggctgaggtt	240
160	attactatat	agtagtagaa	acttaagaac	atggetteee	atcetgteag	tetteatget	300
171	agggaggaa	aggatgataa	agcttctgag	ggagetgaat	atgatgatca	gaccagtcaa	360
173	ctcaaacaca	aagatgataa	agtcttccct	ggrggaagee	atacatatgt	ctggcaggtc	420
175	catatagaga	taataaaaa	ggcctctgac cttgaattca	gaatasta	ttacctactc	atatettet	480
			aaagacacag				540
179	gtatttgatg	aaggaaaaag	ttggcactca	accutgeaca	adultatact	actititget	600
181	gatactacat	aagggaaaag	ctggcctaaa	gaaacaaaga	accectigat	gcaggatagg	660
183	teteteceae	atctaattaa	atgccacagg	acgeacaeag	tedatggtta	tgtaaacagg	720
185	ggcaccactc	ctasactacs	ctcaatattc	atagaagata	actggcatgt	gattggaatg	780
187	categecaece	cataattaa	aatctcgcca	ataaatttaa	ttagtagtag	tgtgaggaac	840
189	atggaccttg	gacagtttct	actgttttgt	atatatat	gggaggaag	tastagata	900
191	gaagettatg	tcaaagtaga	cagctgtcca	Catatettet	andtagant	garggearg	960
193	gaagaaggg	aagactatga	tgatgatctt	aggaacccc	aactacgaat	gaaaaataat	1020
195	gatgatgaca	actctccttc	ctttatccaa	attgactcig	ttaggaagaa	ggicaggiii	1080 1140
197	acttaggtac	attacattcc	tgctgaagag	gagagtaga	actatootoo	geaceecaaa	1200
199	acccccata	acagaagtta	taaaagtcaa	tatttqaaqa	accargered	agaanttaat	
201	aggaagtaca	aaaaagtccq	atttatggca	tacacacata	acggeeettaa	geggartggt	1260 1320
203	gctattcagc	atgaatcagg	aatcttggga	cctttacttt	atagggaagt	tagagagaga	1320
205	ctattaatta	tatttaagaa	tcaagcaagc	agaccatata	acgyggaagt	tggagacaca	1440
207	actgatgtcc	gt.cct.t.tgta	ttcaaggaga	ttaccasaac	atataaaaa	tttgaggatt	1500
209	tttccaattc	taccaggaga	aatattcaaa	tataaatgga	cactcactct	agaataga	1560
211	ccaactaaat	cagatecteg	gtgcctgacc	cactattact	ctagtgactgt	taatatagag	1620
213	agagatetag	cttcaggact	cattggccct	ctcctcatct	actacaaaga	atctatagat	1620
215	caaaqaqqaa	accagataat	gtcagacaag	aggaatgtca	teetettte	tatatttaat	1740
217	gagaaccgaa	gctggtacct	cacagagaat	atacaacact	ttctccccaa	tagaataa	1800
219	gtgcagcttg	aggatccaga	gttccaagcc	todaacatoa	tacacaacat	caatgggtat	1860
221	qtttttqata	gtttgcagtf	gtcagtttgt	ttggatgagg	tagcatacta	otacattota	1920
223	agcattggag	cacagactga	cttcctttct	atattattat	ctggatatac	cttcaaacac	1920
225	aaaatqqtct	atgaagacac	actcacccta	ttcccattct	caddadaaac	tatattaata	2040
227	tcqatqqaaa	acccagatct	atggattctg	agataccaca	actcacactt	transacers	2100
229	ggcatgaccq	ccttactgaa	ggtttctagt	tataacaaaa	acactegacee	ttattaccac	2160
	- 3 3	<b>J</b>		J - J - 3 - 3 - 3 - 4		- Jac cacgag	2100

## RAW SEQUENCE LISTING

DATE: 09/02/2004 PATENT APPLICATION: US/10/820,777 TIME: 09:28:39

Input Set : A:\MR2723-365.txt

231	gacagttatg	aagatatttc	agcatacttg	ctgagtaaaa	acaatgccat	tgaaccaaga	2220
233	agcttgaaac	gccatcaacg	ggaaataact	cgtactactc	ttcagtcaga	tcaagaggaa	2280
235	attgactatg	atgataccat	atcagttgaa	atgaagaagg	aagattttga	catttatgat	2340
237	gaggatgaaa	atcagagccc	ccgcagcttt	caaaagaaaa	cacgacacta	ttttattgct	2400
239	gcagtggaga	ggctctggga	ttatgggatg	agtagetèce	cacatgttct	aagaaacagg	2460
241	gctcagagtg	gcagtgtccc	tcagttcaag	aaagttgttt	tccaggaatt	tactgatggc	2520
243	tcctttactc	agcccttata	ccgtggagaa	ctaaatgaac	atttgggact	cctggggcca	2580
245	tatataagag	cagaagttga	agataatatc	atggtaactt	tcagaaatca	ggcctctcgt	2640
247	ccctattcct	tctattctag	ccttatttct	tatgaggaag	atcagaggca	aggagcagaa	2700
249	cctagaaaaa	actttgtcaa	gcctaatgaa	accaaaactt	acttttggaa	agtgcaacat	2760
251	catatggcac	ccactaaaga	tgagtttgac	tgcaaagcct	gggcttattt	ctctgatgtt	2820
253	gacctggaaa	aagatgtgca	ctcaggcctg	attggacccc	ttctggtctg	ccacactaac	2880
255	acactgaacc	ctgctcatgg	gagacaagtg	acagtacagg	aatttgctct	gtttttcacc	2940
257	atctttgatg	agaccaaaag	ctggtacttc	actgaaaata	tggaaagaaa	ctgcagggct	3000
259	ccctgcaata	tccagatgga	agatcccact	tttaaagaga	attatcgctt	ccatgcaatc	3060
261	aatggctaca	taatggatac	actacctggc	ttagtaatgg	ctcaggatca	aaggattcga	3120
263	tggtatctgc	tcagcatggg	cagcaatgaa	aacatccatt	ctattcattt	cagtggacat	3180
265	gtgttcactg	tacgaaaaaa	agaggagtat	aaaatggcac	tgtacaatct	ctatccaggt	3240
267	gtttttgaga	cagtggaaat	gttaccatcc	aaagctggaa	tttggcgggt	ggaatgcctt	3300
269	attggcgagc	atctacatgc	tgggatgagc	${\tt acacttttc}$	tggtgtacag	caataagtgt	3360
271	cagactcccc	tgggaatggc	ttctggacac	attagagatt	ttcagattac	agcttcagga	3420
273	caatatggac	agtgggcccc	aaagctggcc	agacttcatt	attccggatc	aatcaatgcc	3480
275	tggagcacca	aggagccctt	ttcttggatc	aaggtggatc	tgttggcacc	aatgattatt	3540
277	cacggcatca	agacccaggg	tgcccgtcag	aagttctcca	gcctctacat	ctctcagttt	3600
279	atcatcatgt	atagtcttga	tgggaagaag	tggcagactt	atcgaggaaa	ttccactgga	3660
			caatgtggat				3720
283	cctccaatta	ttgctcgata	catccgtttg	cacccaactc	attatagcat	tcgcagcact	3780
285			ctgtgattta				3840
287			acagattact				3900
			tcgacttcac				3960
			gtggctgcaa				4020
			aaaatctctg				4080
295	atctccagca	gtcaagatgg	ccatcagtgg	actctctttt	ttcagaatgg	caaagtaaag	4140
			ctccttcaca				4200
	-	_	tcacccccag				4260
301	gaggttctgg	gctgcgaggc	acaggacctc	tactgagggt	ggccactgca	gcacctg	4317

VERIFICATION SUMMARY

DATE: 09/02/2004

PATENT APPLICATION: US/10/820,777

TIME: 09:28:40

Input Set : A:\MR2723-365.txt